

**(19) World Intellectual Property  
Organization  
International Bureau**



**(43) International Publication Date**  
**16 December 2004 (16.12.2004)**

## PCT

**(10) International Publication Number**  
**WO 2004/109531 A2**

- (51) **International Patent Classification<sup>7</sup>:** **G06F 15/00**

(21) **International Application Number:** **PCT/TB2004/050799**

(22) **International Filing Date:** **28 May 2004 (28.05.2004)**

(25) **Filing Language:** **English**

(26) **Publication Language:** **English**

(30) **Priority Data:**  
03101678.5 10 June 2003 (10.06.2003) EP

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(81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**  
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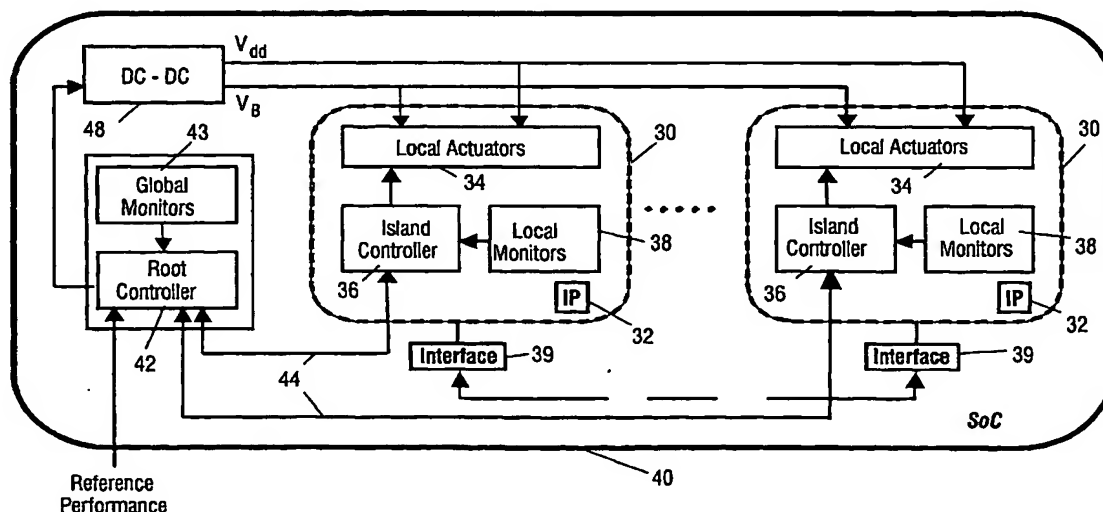
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- (54) Title:** REAL-TIME ADAPTIVE CONTROL FOR BEST IC PERFORMANCE



**(57) Abstract:** The present invention relates to real-time adaptive control for best Integrated Circuit (IC) performance. The adaptive behavior is carried out on a local basis. The system is partitioned into different islands (30). Each island (30) is controlled and its working conditions are modified depending on some parameters. The remainder of the chip is controlled as well, depending on other parameters. This requires that each island (30) has a local controller (36) communicating with a global controller (42). The main control parameters are e.g. supply voltage, threshold voltage and clock frequency.

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